



Zhongxiao Li

Postdoctoral Scholar, Radiation Physics

 Curriculum Vitae available Online

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BIO

Zhongxiao Li is a postdoctoral researcher in Professor Ruijiang Li's lab at Stanford Medicine. His research focuses on computational biology and bioinformatics, particularly the development of deep learning methods for computational pathology and spatial transcriptomics/proteomics. Previously, his work has included developing machine learning models for histopathological image analysis, understanding gene regulation, and analyzing biological sequences.

PROFESSIONAL EDUCATION

- Doctor of Philosophy, King Abdullah University of Science and Technology (2024)
- Master of Science, King Abdullah University of Science and Technology (2020)
- Bachelor of Science, Southern University of Science & Technology (2018)

STANFORD ADVISORS

- Ruijiang Li, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **His-MMDM: Multi-Domain and Multi-Omics Translation of Histopathological Images with Diffusion Models** *ADVANCED SCIENCE*
Li, Z., Su, T., Zhang, B., Han, W., Zhang, S., Sun, G., Cong, Y., Chen, X., Qi, J., Wang, Y., Zhao, S., Meng, H., Liang, et al
2026; e18066
- **PPML-Omics: A privacy-preserving federated machine learning method protects patients' privacy in omic data** *SCIENCE ADVANCES*
Zhou, J., Chen, S., Wu, Y., Li, H., Zhang, B., Zhou, L., Hu, Y., Xiang, Z., Li, Z., Chen, N., Han, W., Xu, C., Wang, et al
2024; 10 (5): eadh8601
- **A unified method to revoke the private data of patients in intelligent healthcare with audit to forget** *NATURE COMMUNICATIONS*
Zhou, J., Li, H., Liao, X., Zhang, B., He, W., Li, Z., Zhou, L., Gao, X.
2023; 14 (1): 6255
- **A comprehensive benchmarking with practical guidelines for cellular deconvolution of spatial transcriptomics** *NATURE COMMUNICATIONS*
Li, H., Zhou, J., Li, Z., Chen, S., Liao, X., Zhang, B., Zhang, R., Wang, Y., Sun, S., Gao, X.
2023; 14 (1): 1548
- **Optimization of binding affinities in chemical space with generative pre-trained transformer and deep reinforcement learning.** *F1000Research*
Xu, X., Zhou, J., Zhu, C., Zhan, Q., Li, Z., Zhang, R., Wang, Y., Liao, X., Gao, X.

2023; 12: 757

- **Annotating TSSs in Multiple Cell Types Based on DNA Sequence and RNA-seq Data via DeeReCT-TSS** *GENOMICS PROTEOMICS & BIOINFORMATICS*

Zhou, J., Zhang, B., Li, H., Zhou, L., Li, Z., Long, Y., Han, W., Wang, M., Cui, H., Li, J., Chen, W., Gao, X.

2022; 20 (5): 959-973

- **DeeReCT-APA: Prediction of Alternative Polyadenylation Site Usage Through Deep Learning** *GENOMICS PROTEOMICS & BIOINFORMATICS*

Li, Z., Li, Y., Zhang, B., Li, Y., Long, Y., Zhou, J., Zou, X., Zhang, M., Hu, Y., Chen, W., Gao, X.

2022; 20 (3): 483-495